

FIG. 1

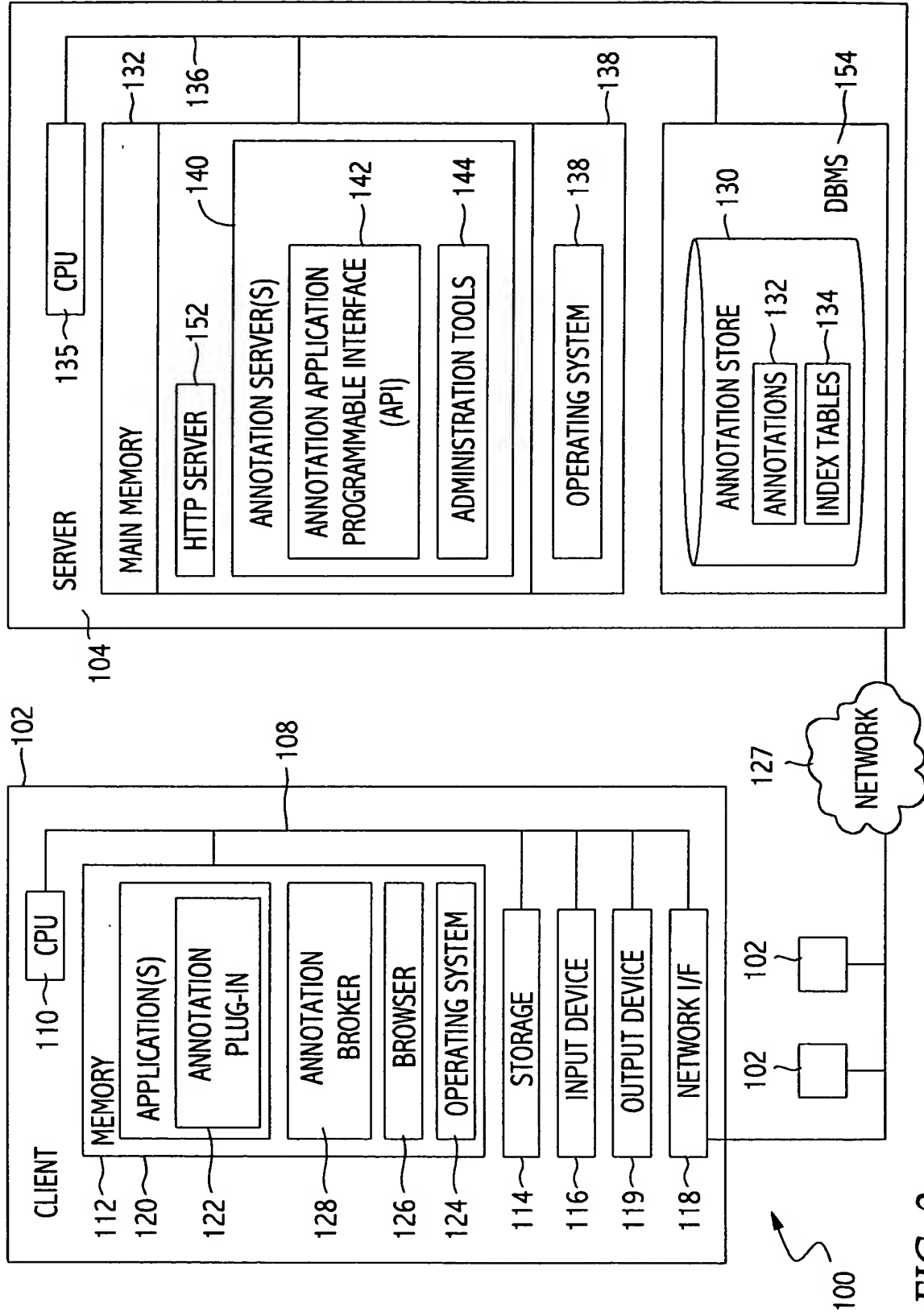


FIG. 2

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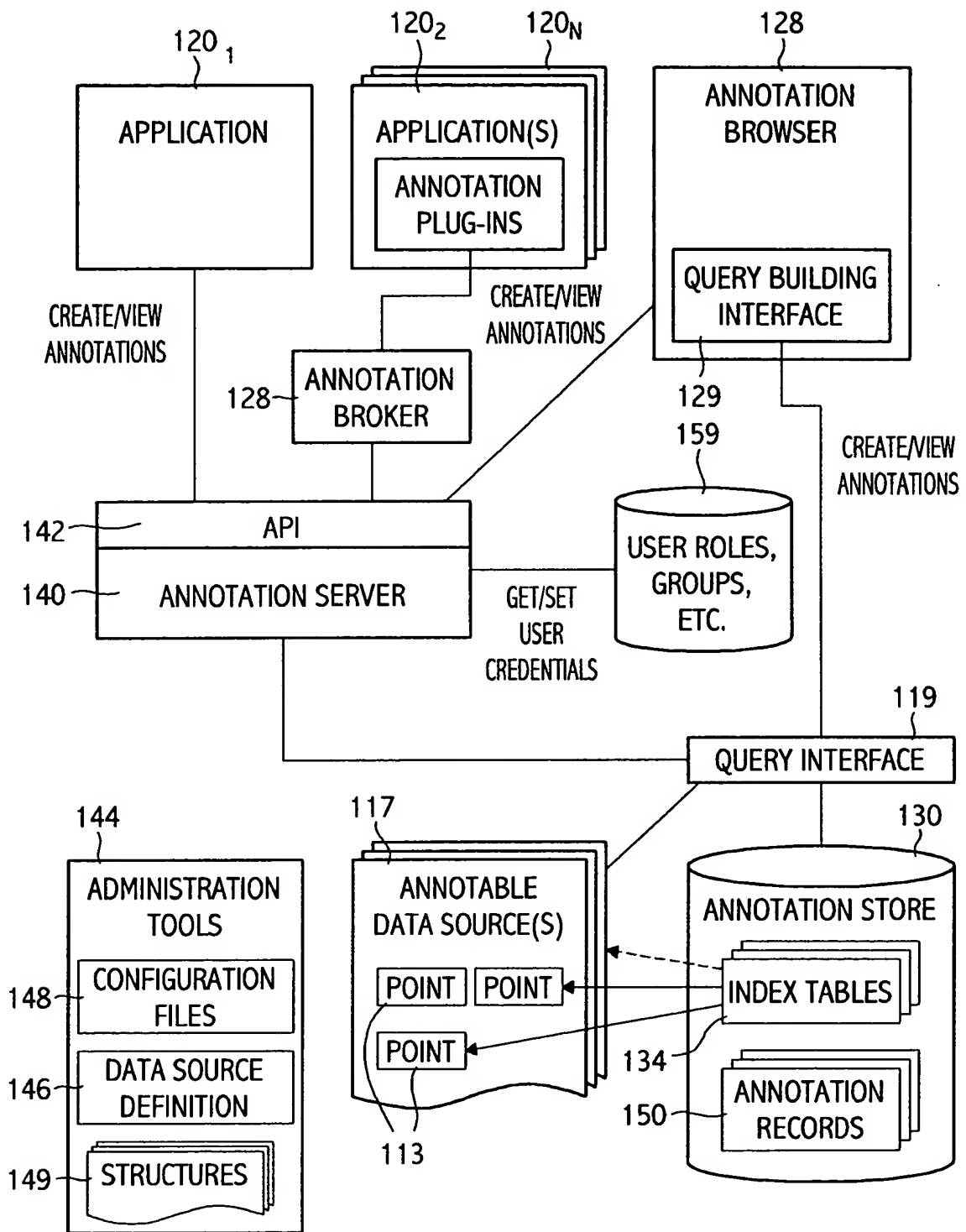


FIG. 3A

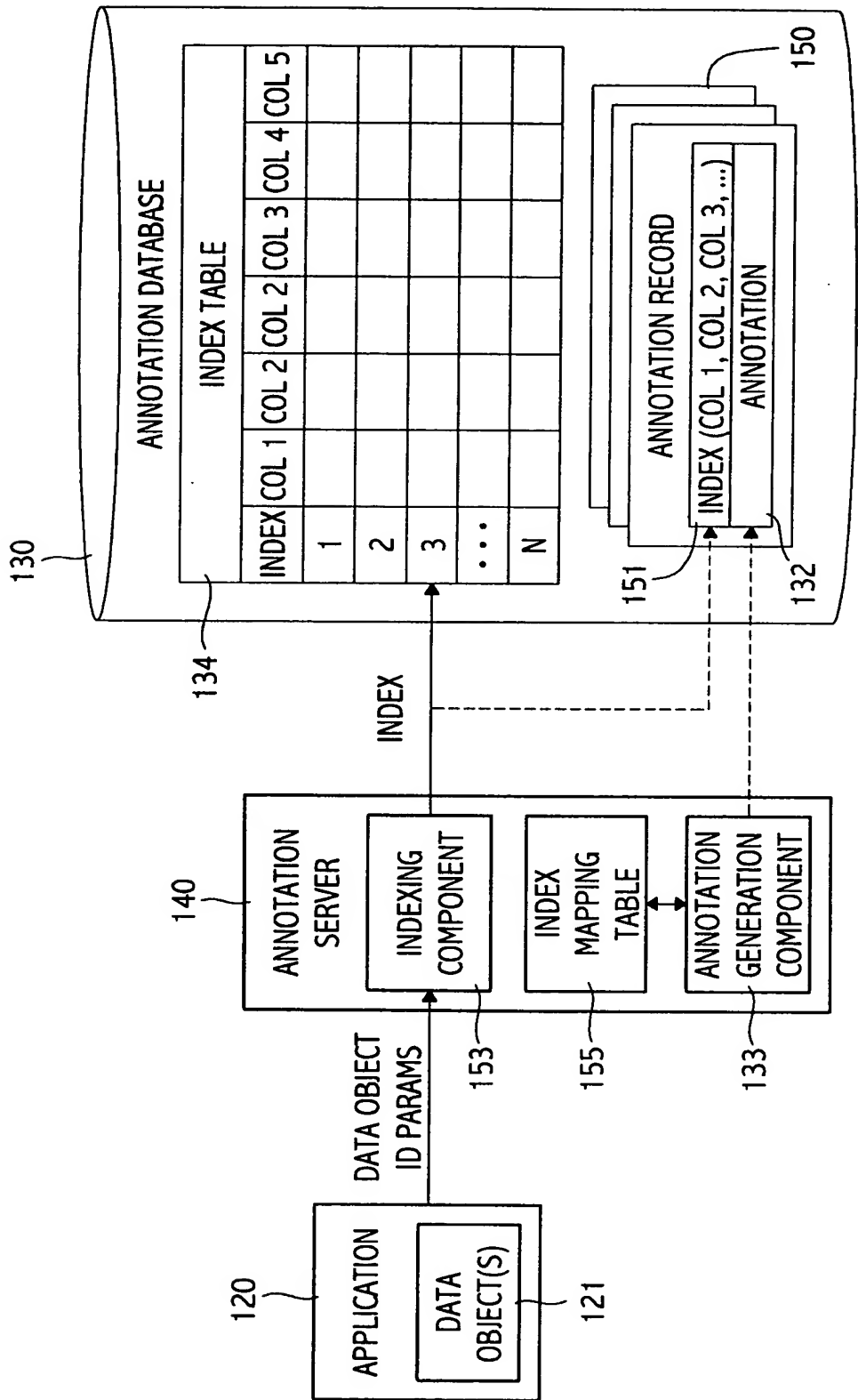


FIG. 3B

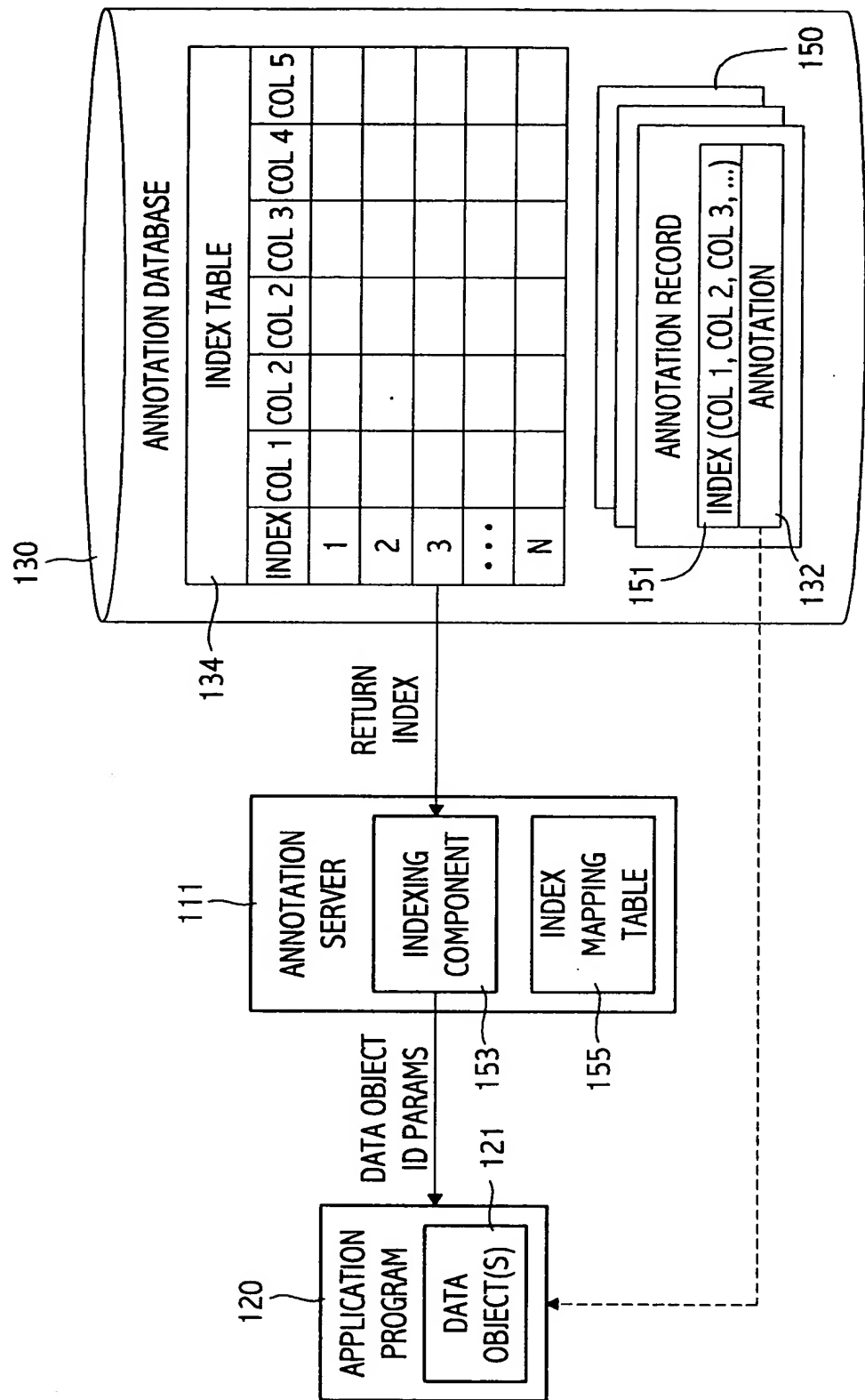



FIG. 3C



API FUNCTION	DESCRIPTION
QueryRoles	Get a list of roles for the user.
SetRole	Set the active set of roles for the session.
Query Structure Names	Given the data source type and subtype of the target documents and all of the points in those documents the user wants to annotate, return the list of available structures.
QueryStructureTransforms	Given an annotation type returned from QueryStructureNames API, return an array of URLs to XSL transforms.
QueryPoints	Given a GUID, and list of DataSourceVersions, return a list of data sources and the points in the data sources.
QueryAnnotationIDS	Given a list of search criteria, return an array of annotation GUIDs that match the criteria.
GetAnnotation	Return the annotation data for a given GUID
CreateAnnotation	Create a new annotation with provided data and access control information
UpdateAnnotation	Replace specific fields in an annotation which results in a new version of the annotation
DeleteAnnotation	Delete (or hide) the specified annotation
AddPoint	Take an existing Annotation and add a new annotated point to it
DeletePoint	Delete a point from an annotation
QueryAllowedPointTypes	Return the allowed point types and subtypes given a data source type and subtype
QueryDataSourceSubtypes	Return the configured data source subtypes given a data source type

FIG. 3D

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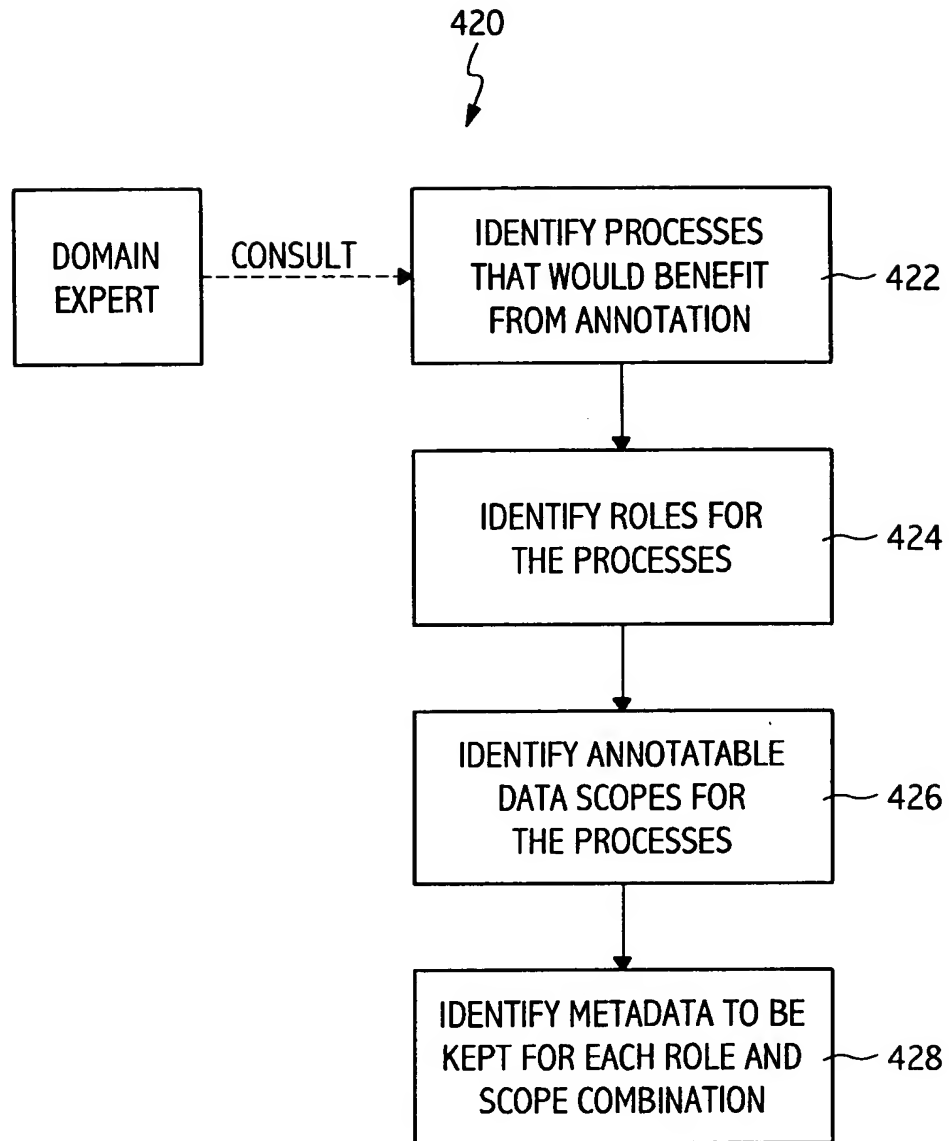


FIG. 4A

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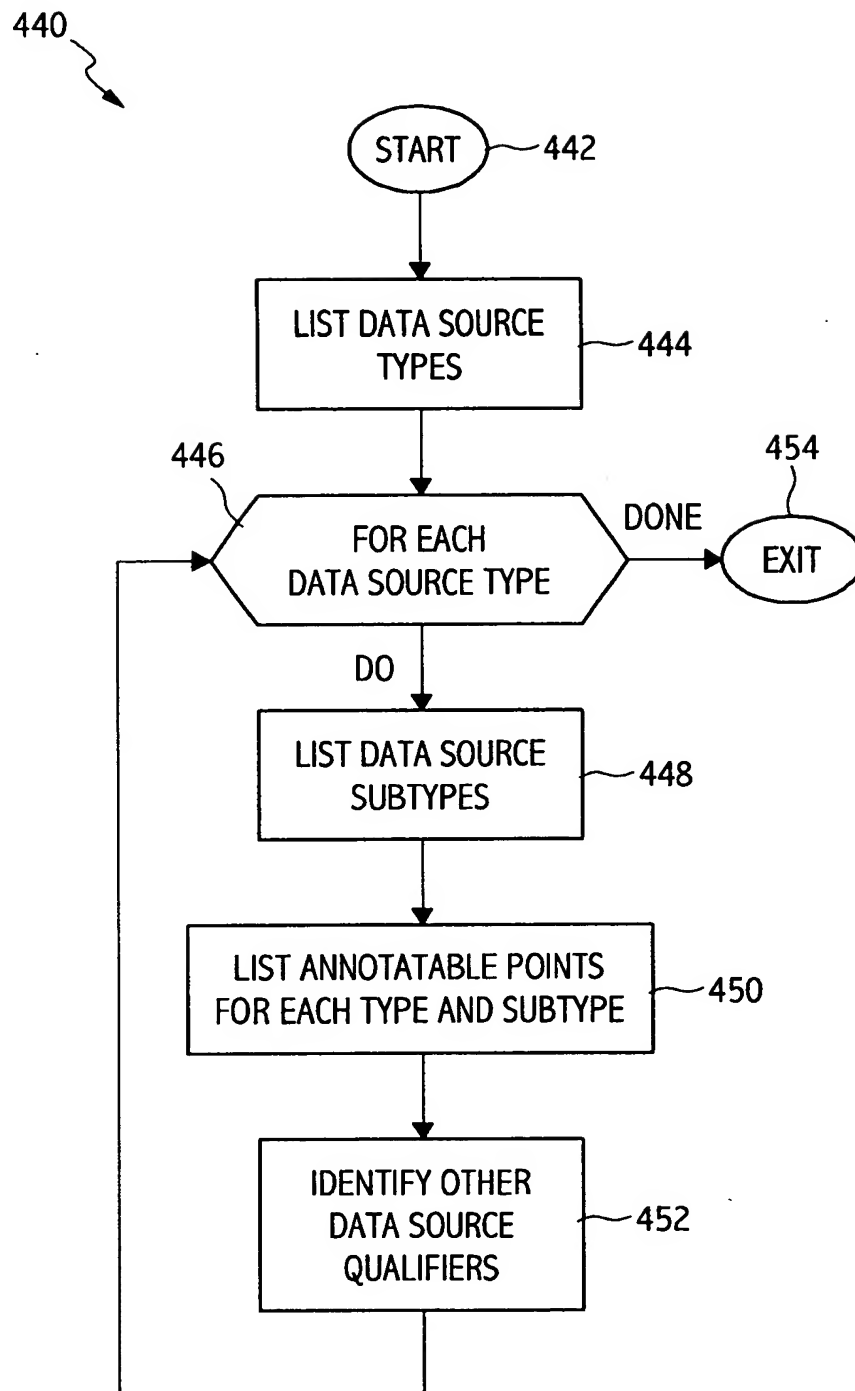


FIG. 4B



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Data Source Type	Point Type	Meta Information
Relational (and Excel)	Table	Table Name
	Column	Table Name, Column Name
	Cell	Table Name, Key, Column Name
	Row	Table Name, Key
Word Document/HTML file	Document	Path
	Word Range	Path, Start character, End character
Spottfire File	Spot	Context, View, Marked Record, Column.
	Cluster	Context, View, Marked Record, Column
	Row	Context, View, Marked Record
	Column	Context, View, Column
	File	Context, View
Pdf (requires Adobe Framemaker)	Text	Page, Start word, End word, Start of set, End of set
	Graphic	Page, Top, Left, Bottom, Right

FIG. 4C

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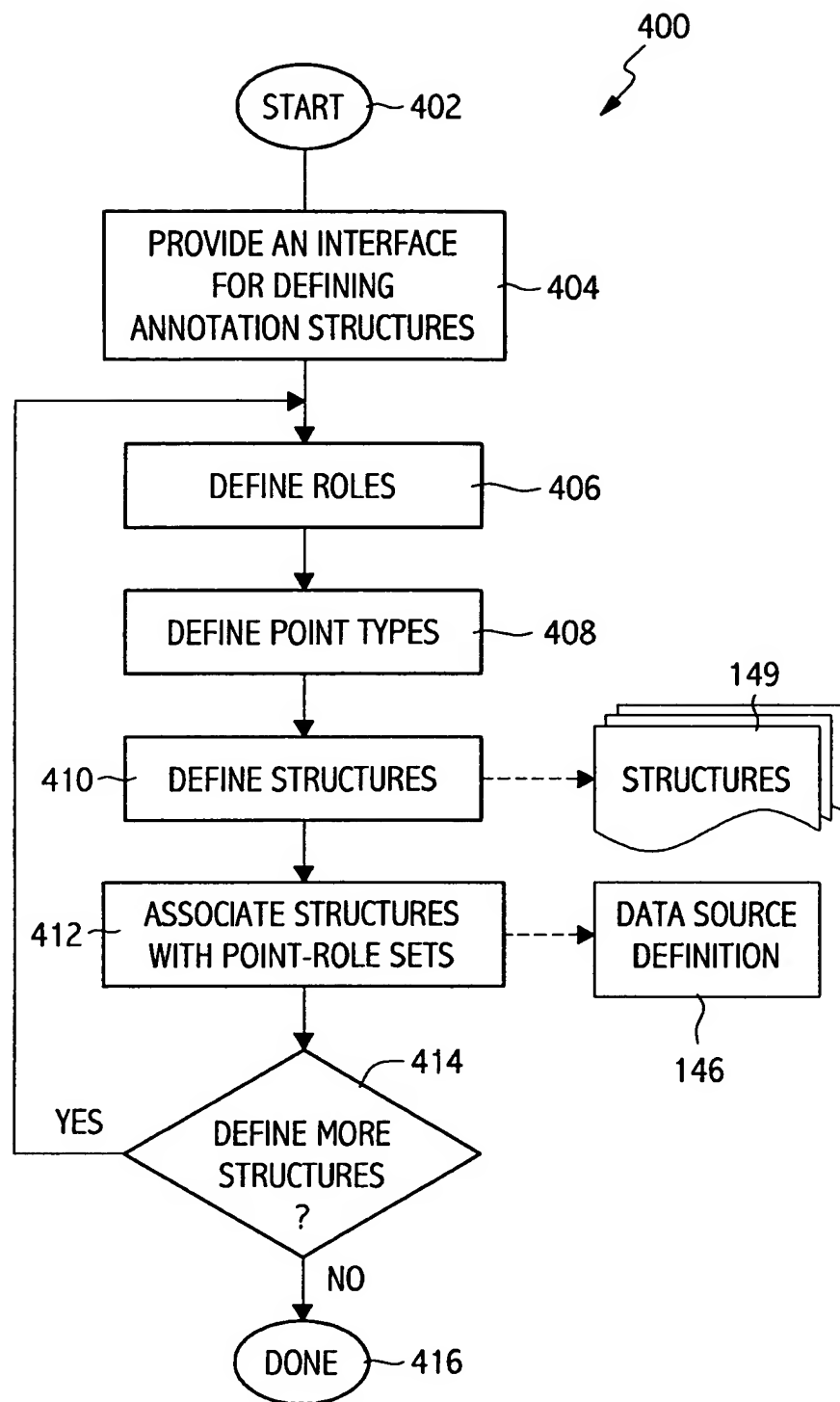


FIG. 4D

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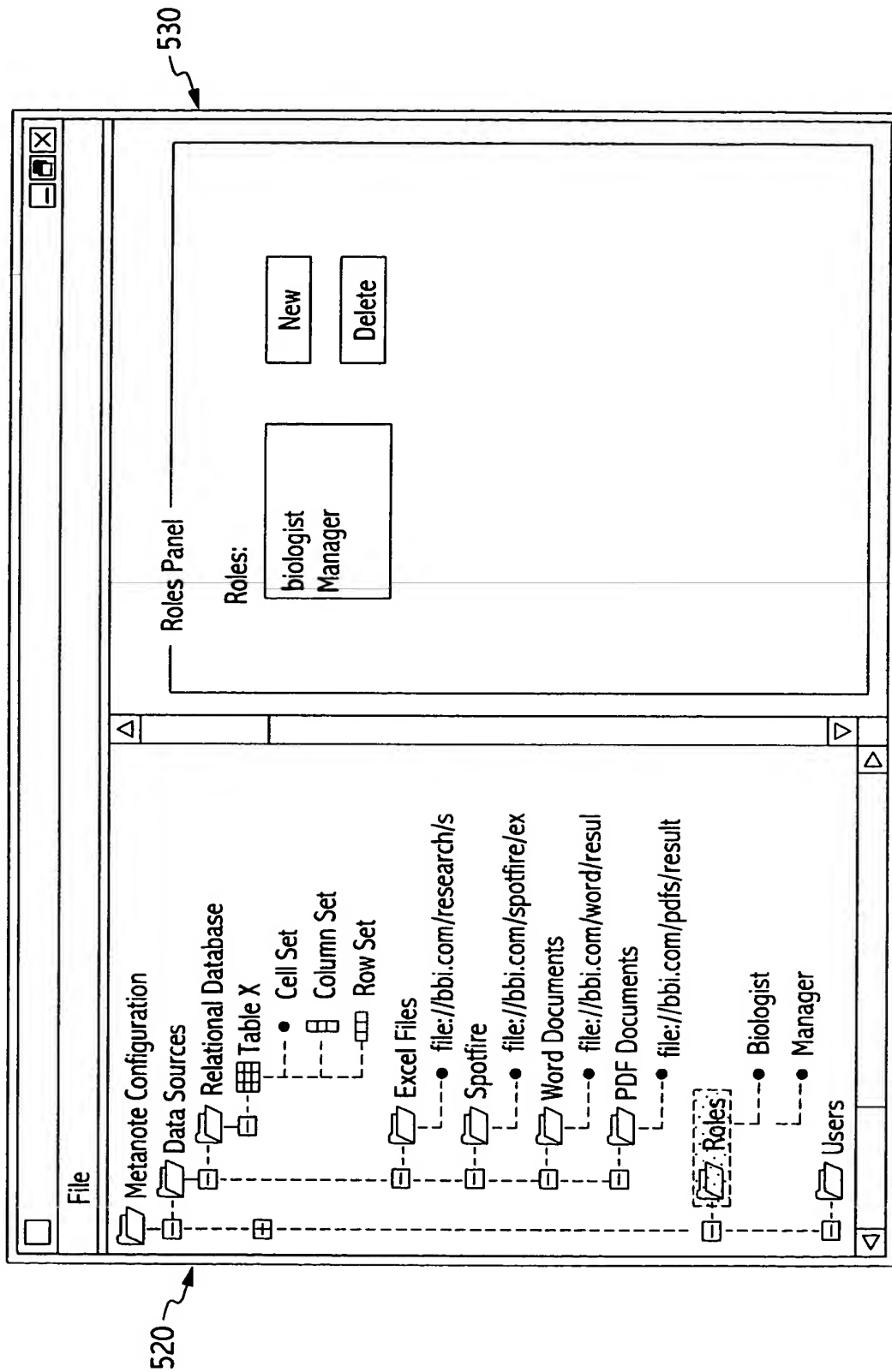


FIG. 5A

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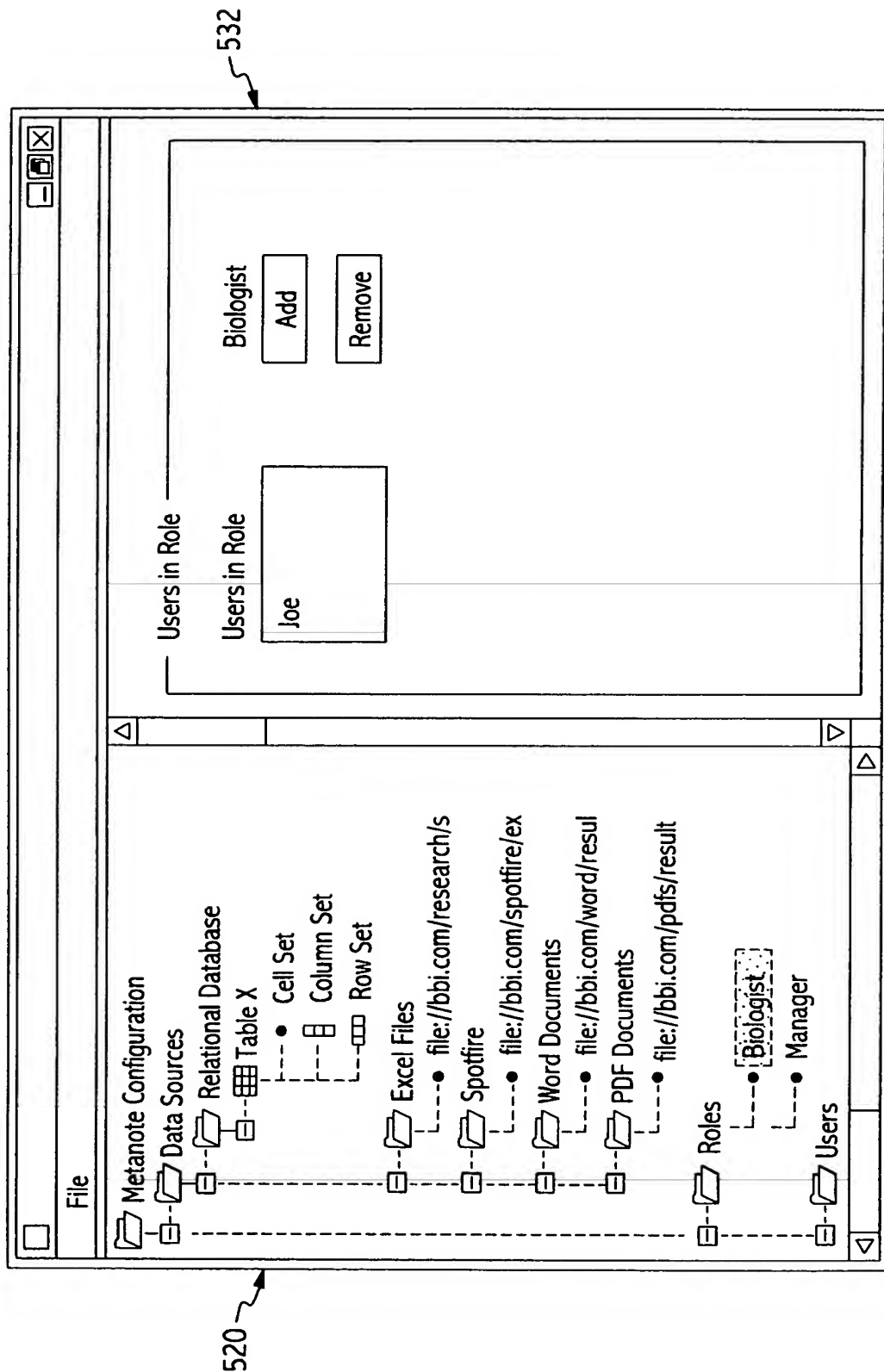


FIG. 5B

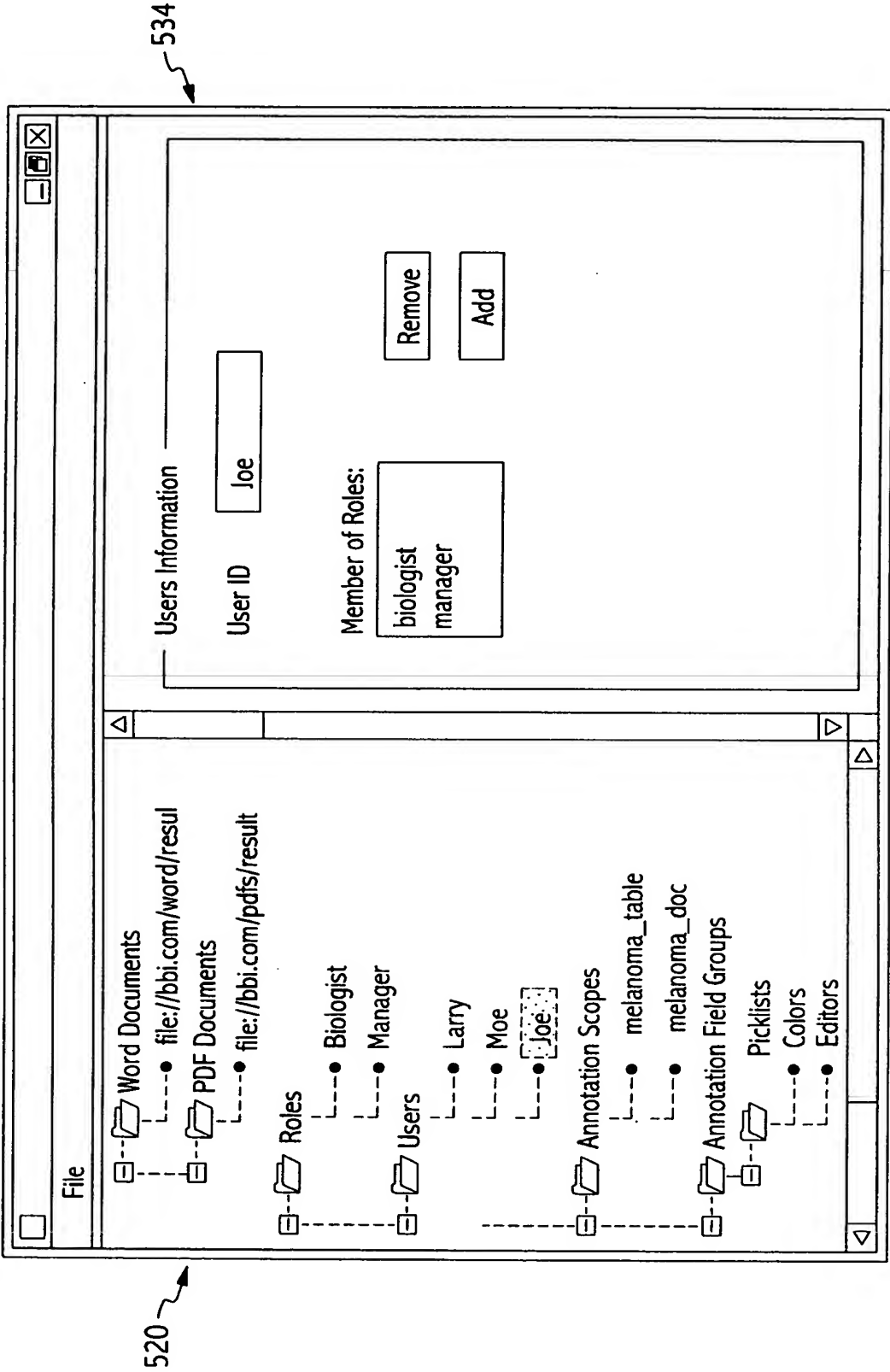


FIG. 5C

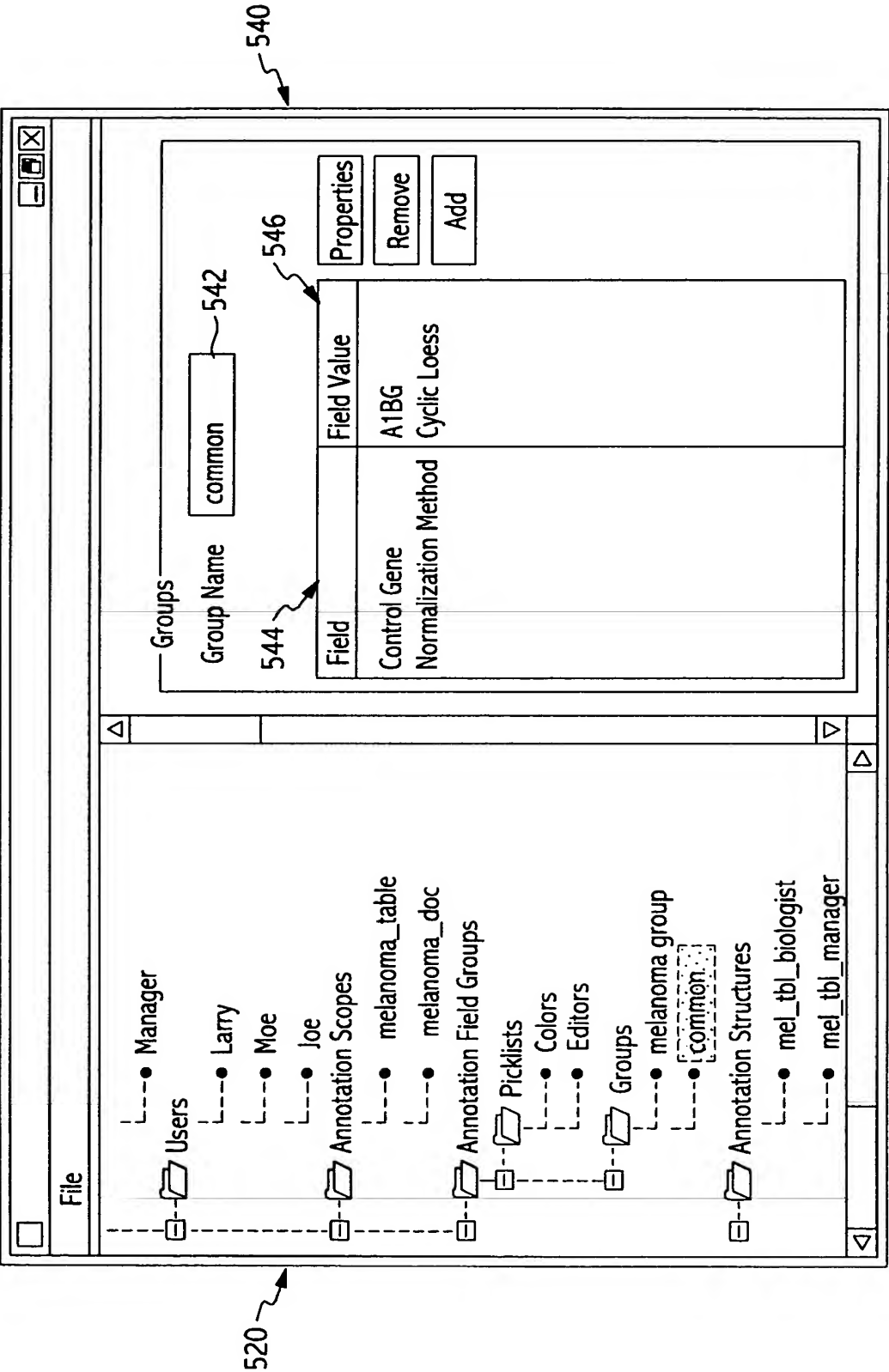


FIG. 5D

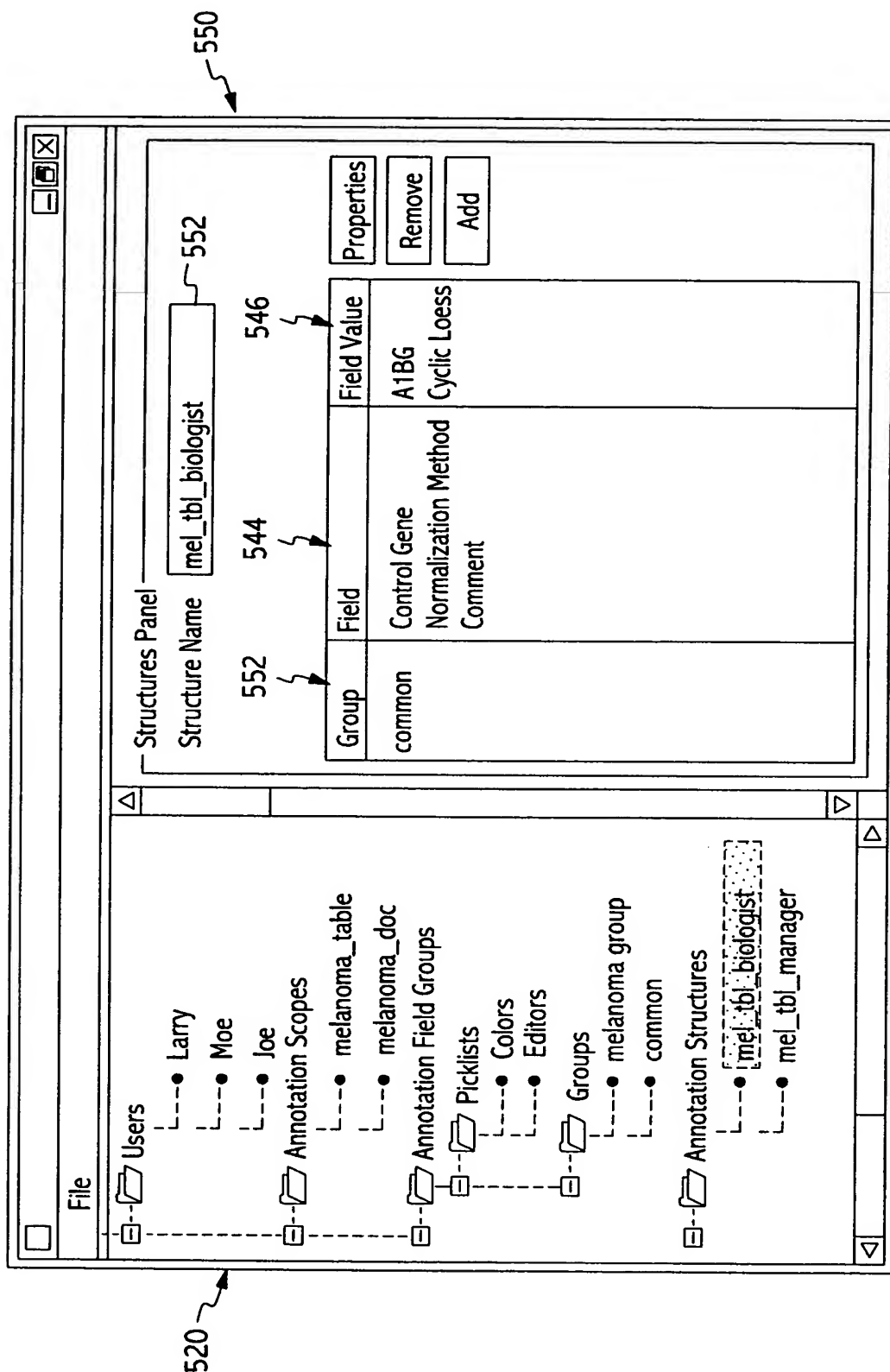


FIG. 5E

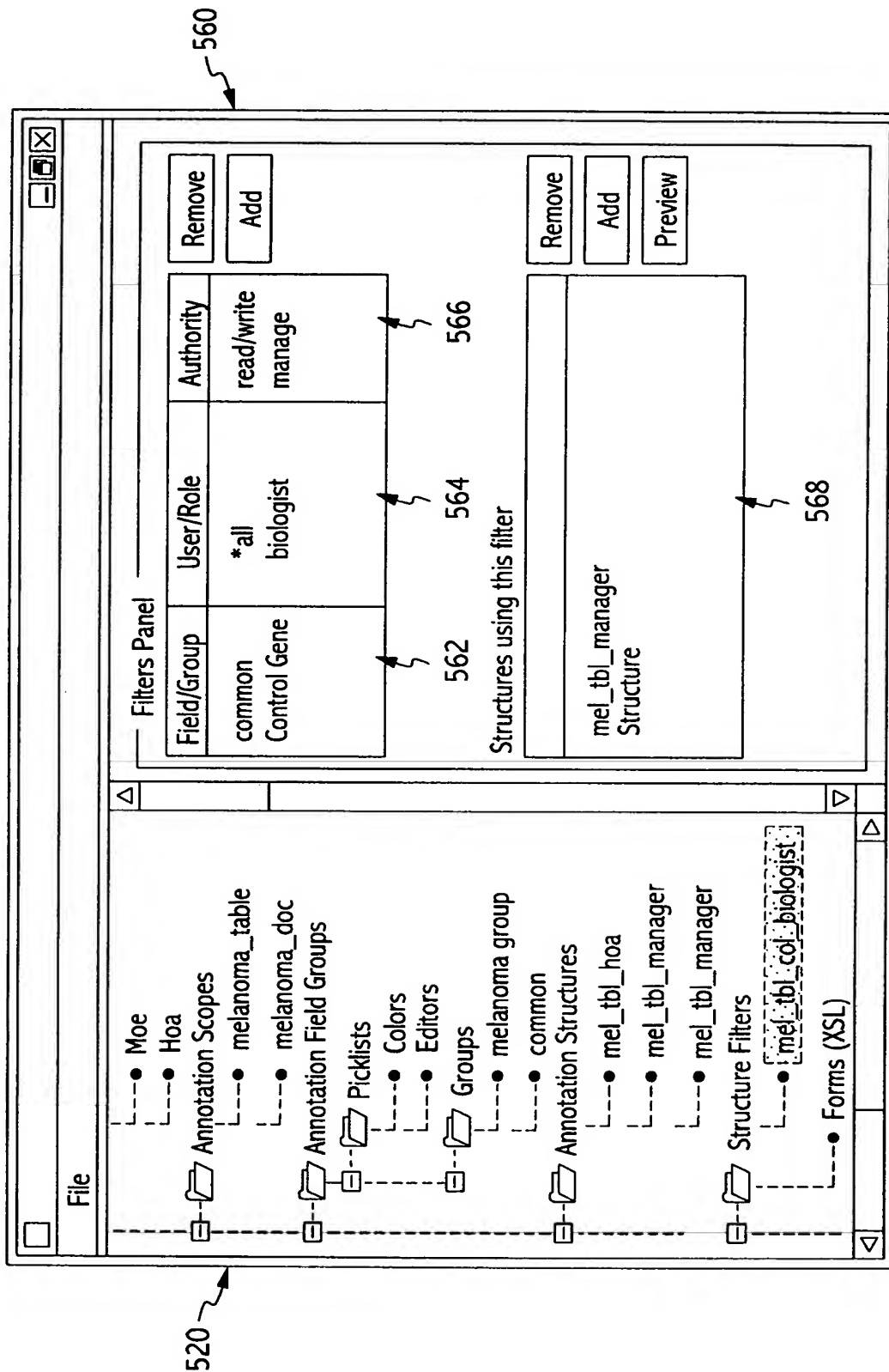


FIG. 5F



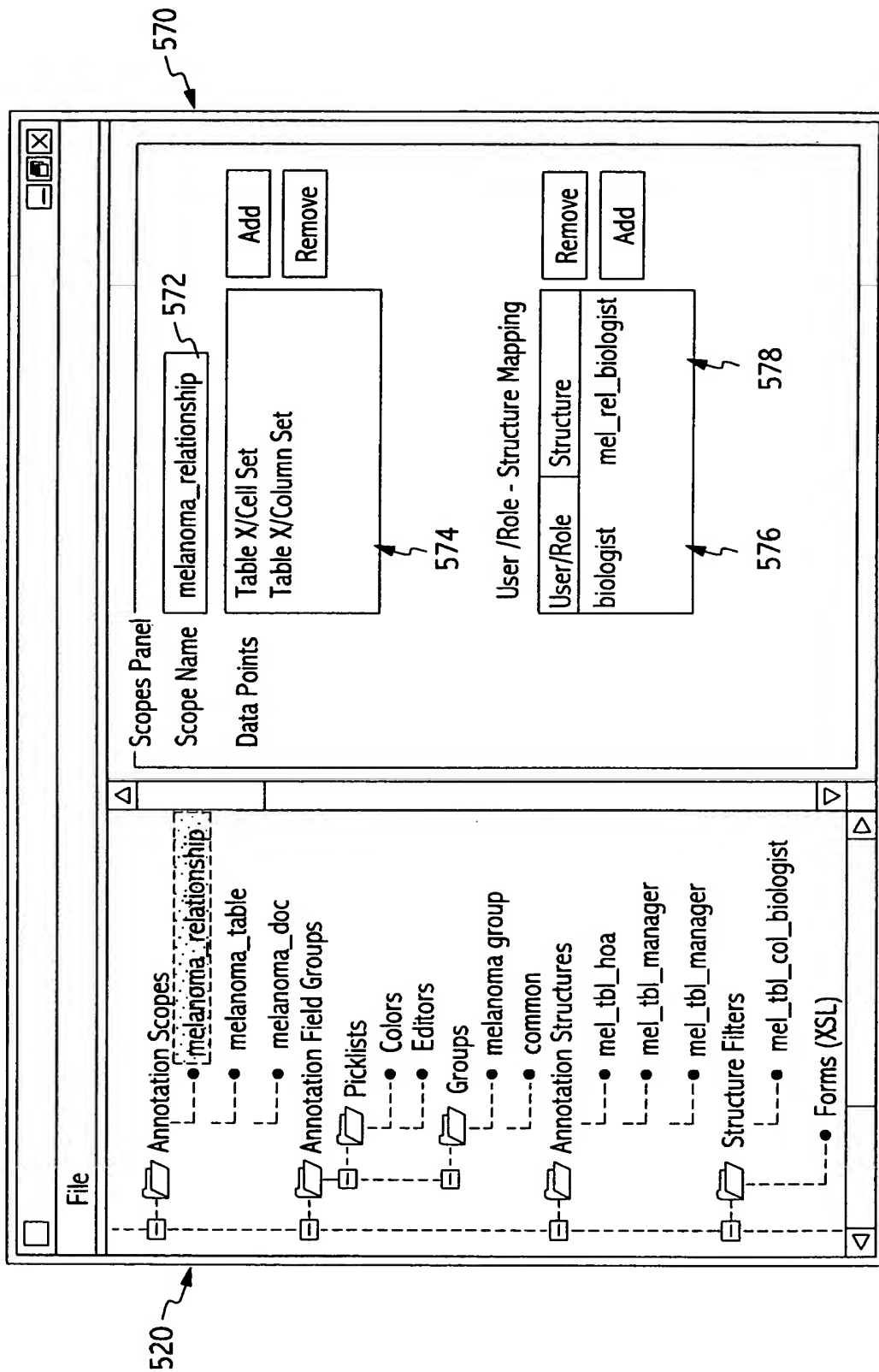


FIG. 5G

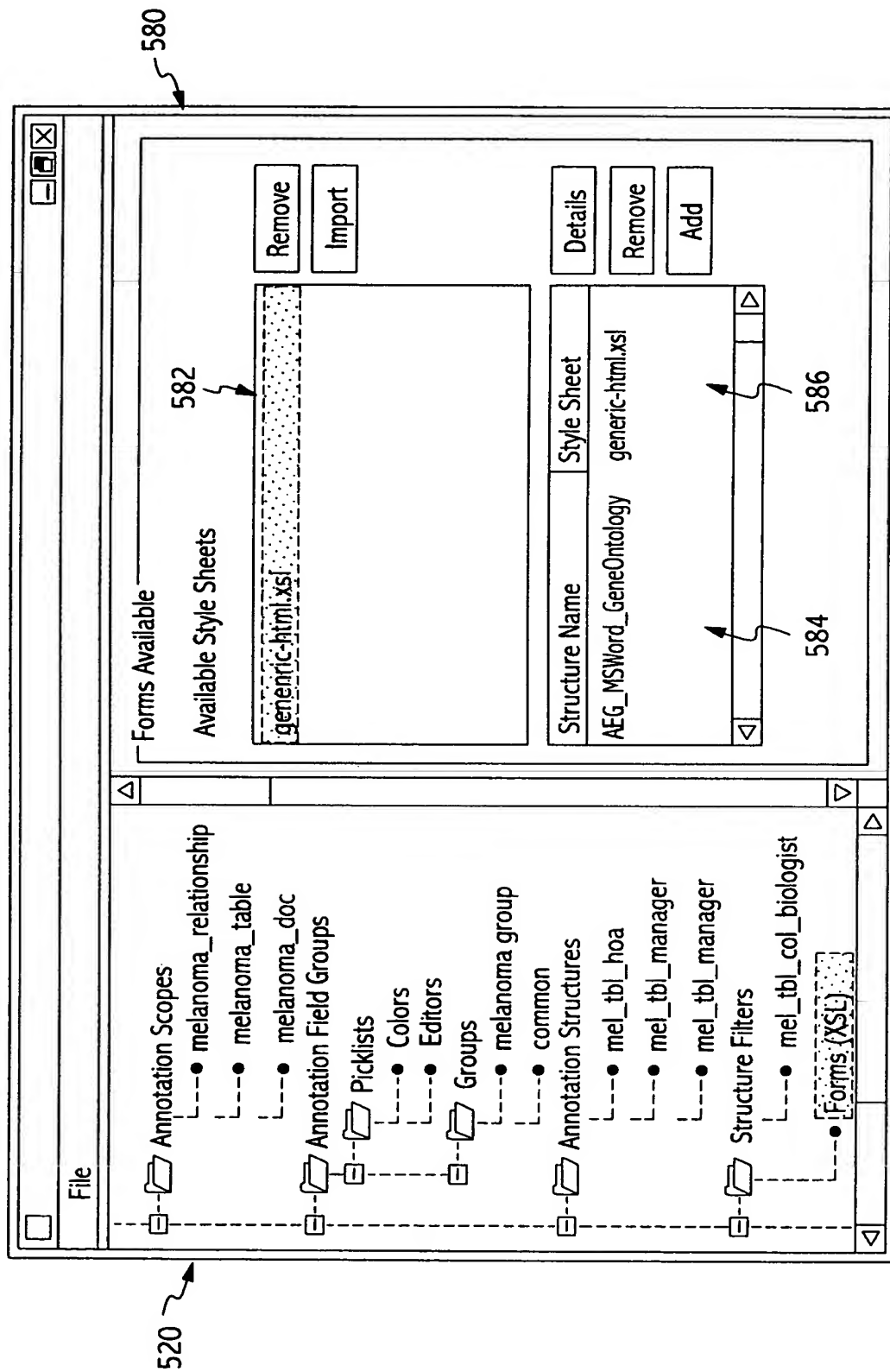
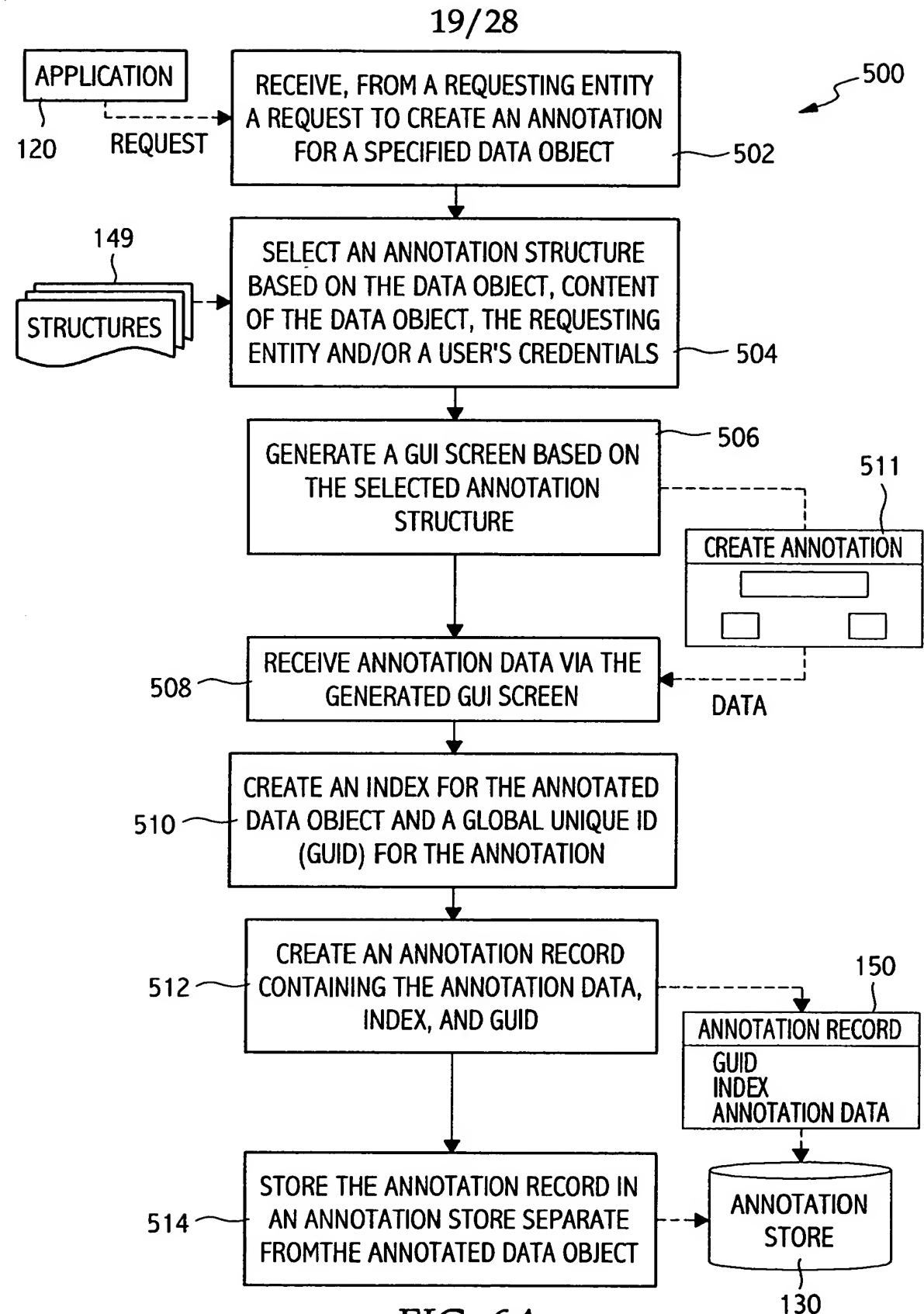


FIG. 5H



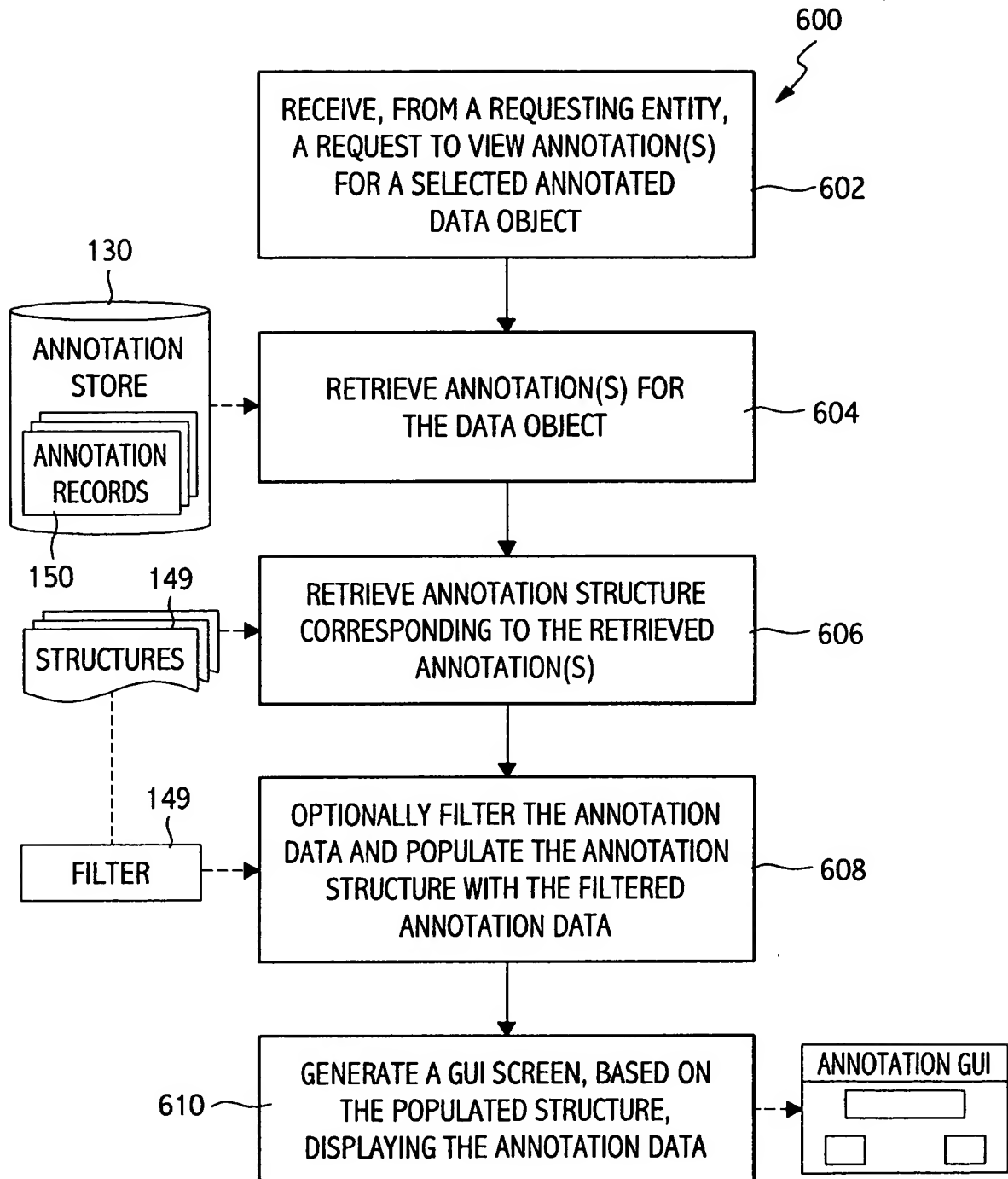


FIG. 6B

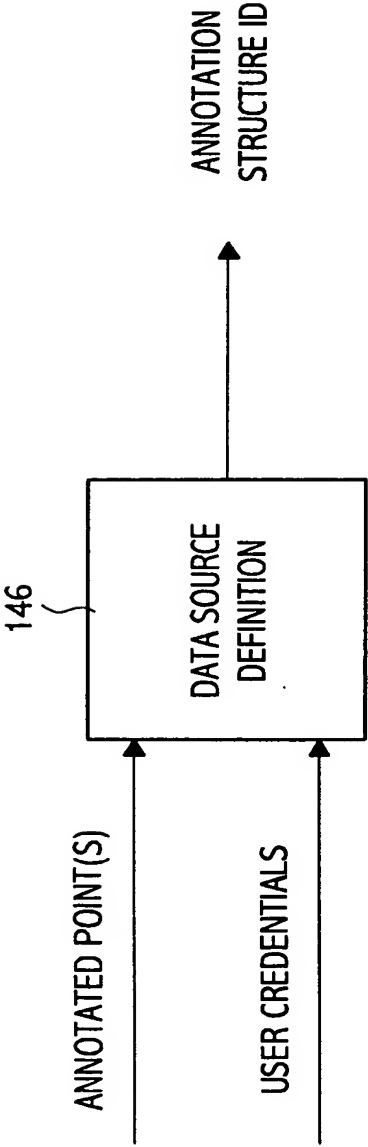


FIG. 7A

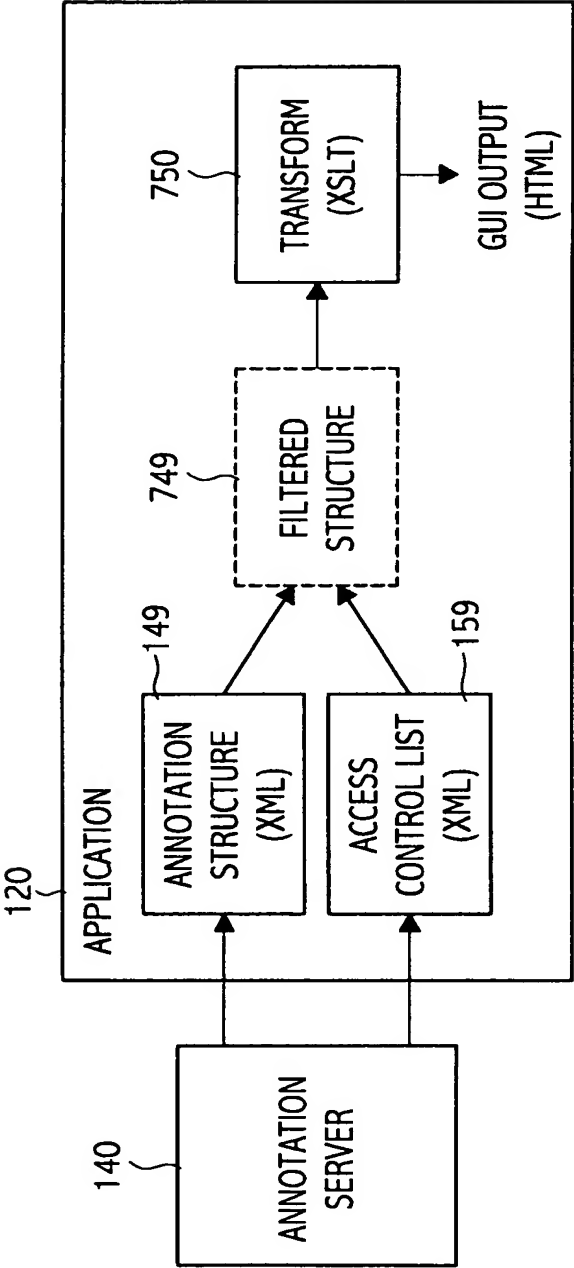


FIG. 7B

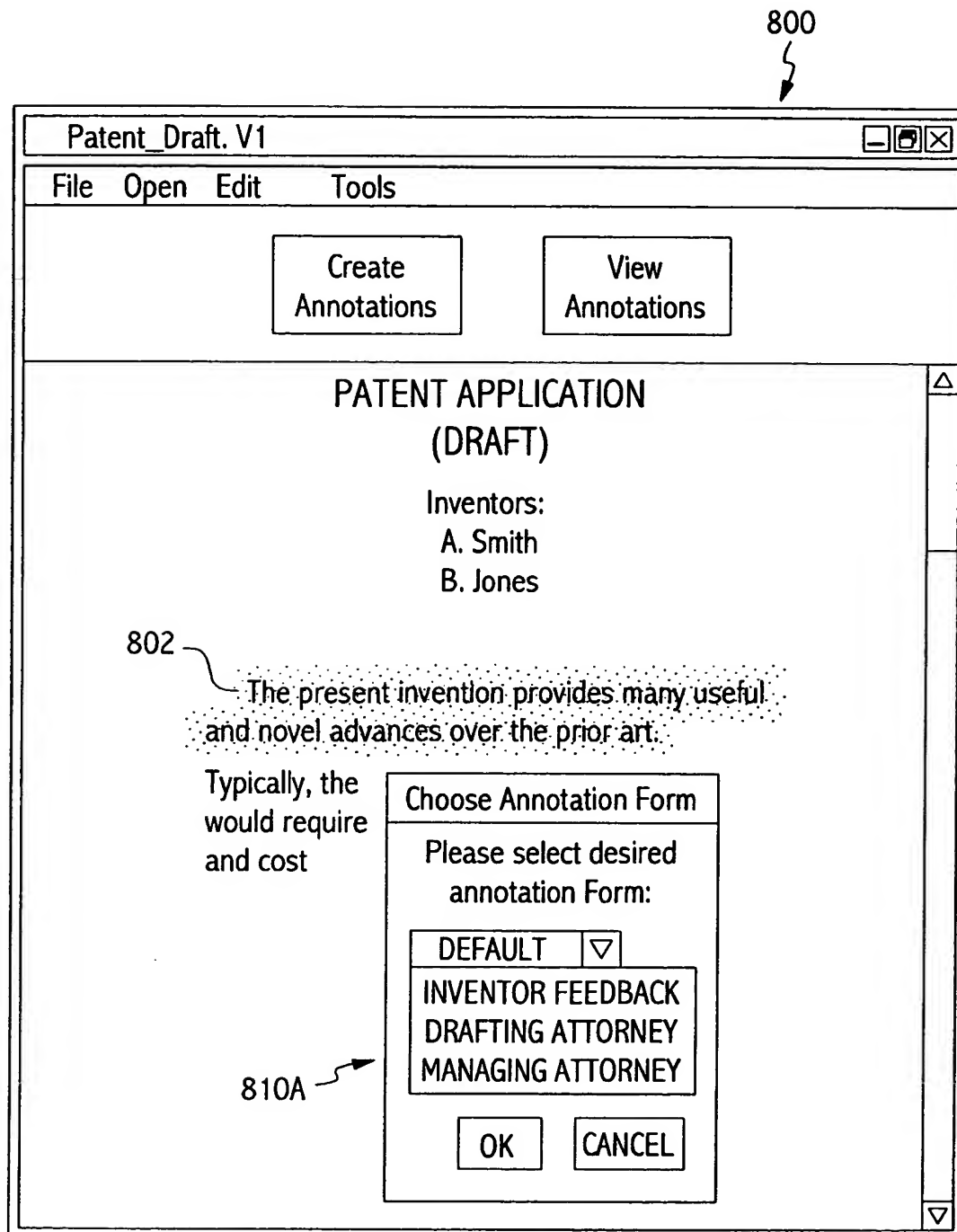
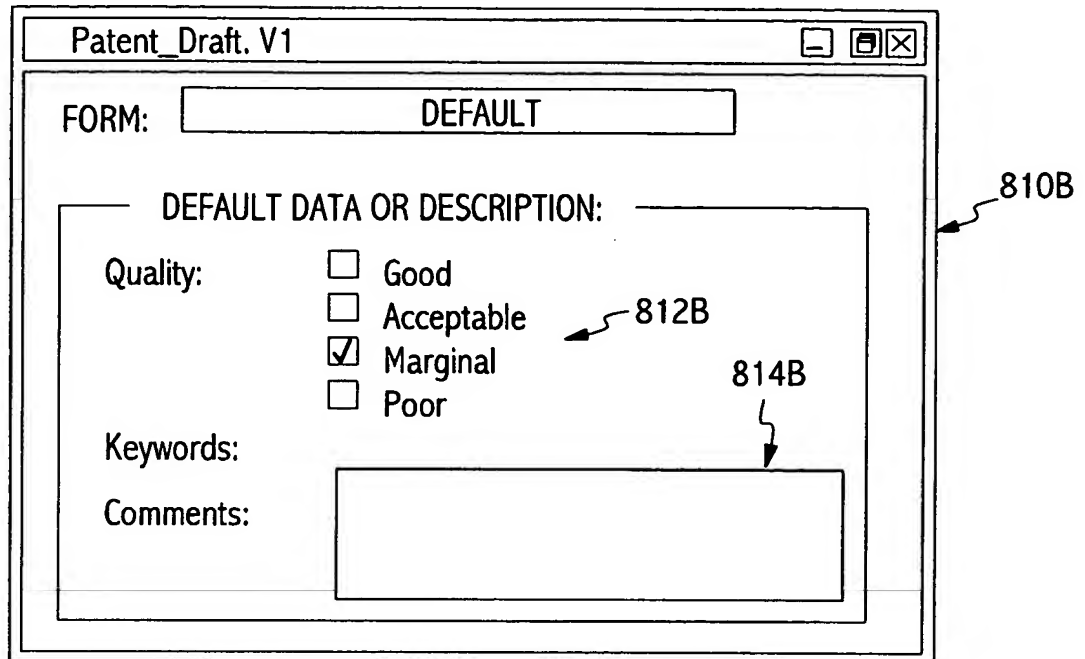


FIG. 8A



Patent\_Draft. V1

FORM:

DEFAULT DATA OR DESCRIPTION:

Quality: ☐ Good ☐ Acceptable ☒ Marginal ☐ Poor

Keywords:

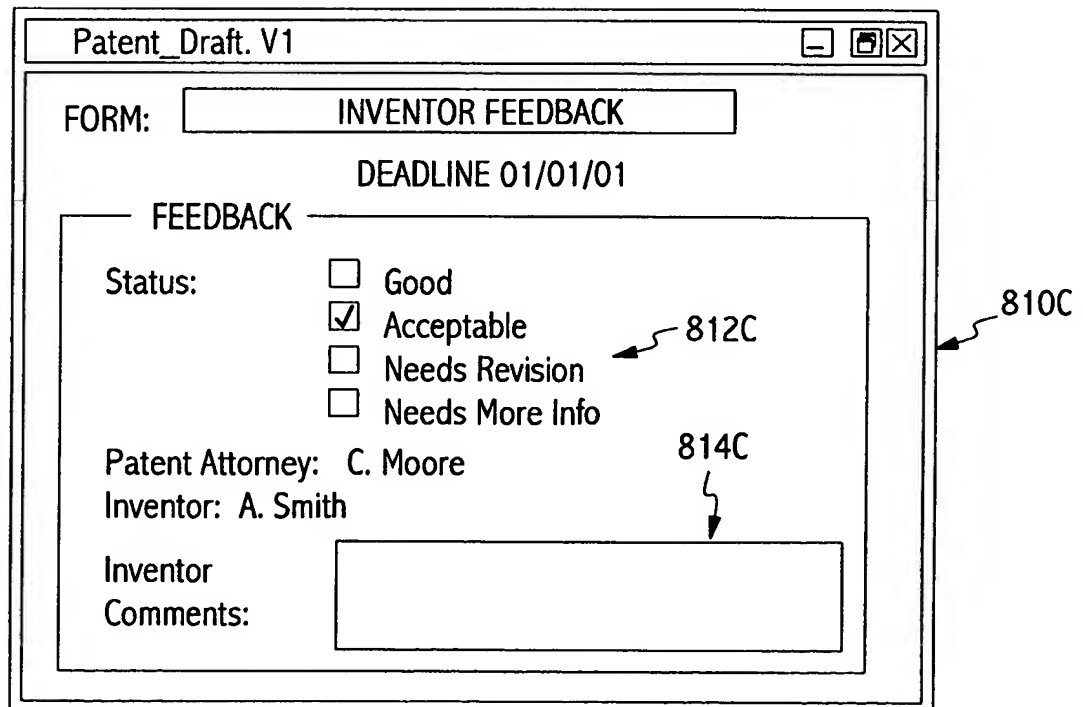
Comments:

810B

812B

814B

FIG. 8B



Patent\_Draft. V1

FORM:

DEADLINE 01/01/01

FEEDBACK

Status: ☐ Good ☒ Acceptable ☐ Needs Revision ☐ Needs More Info

Patent Attorney: C. Moore

Inventor: A. Smith

Inventor Comments:

810C

812C

814C

FIG. 8C

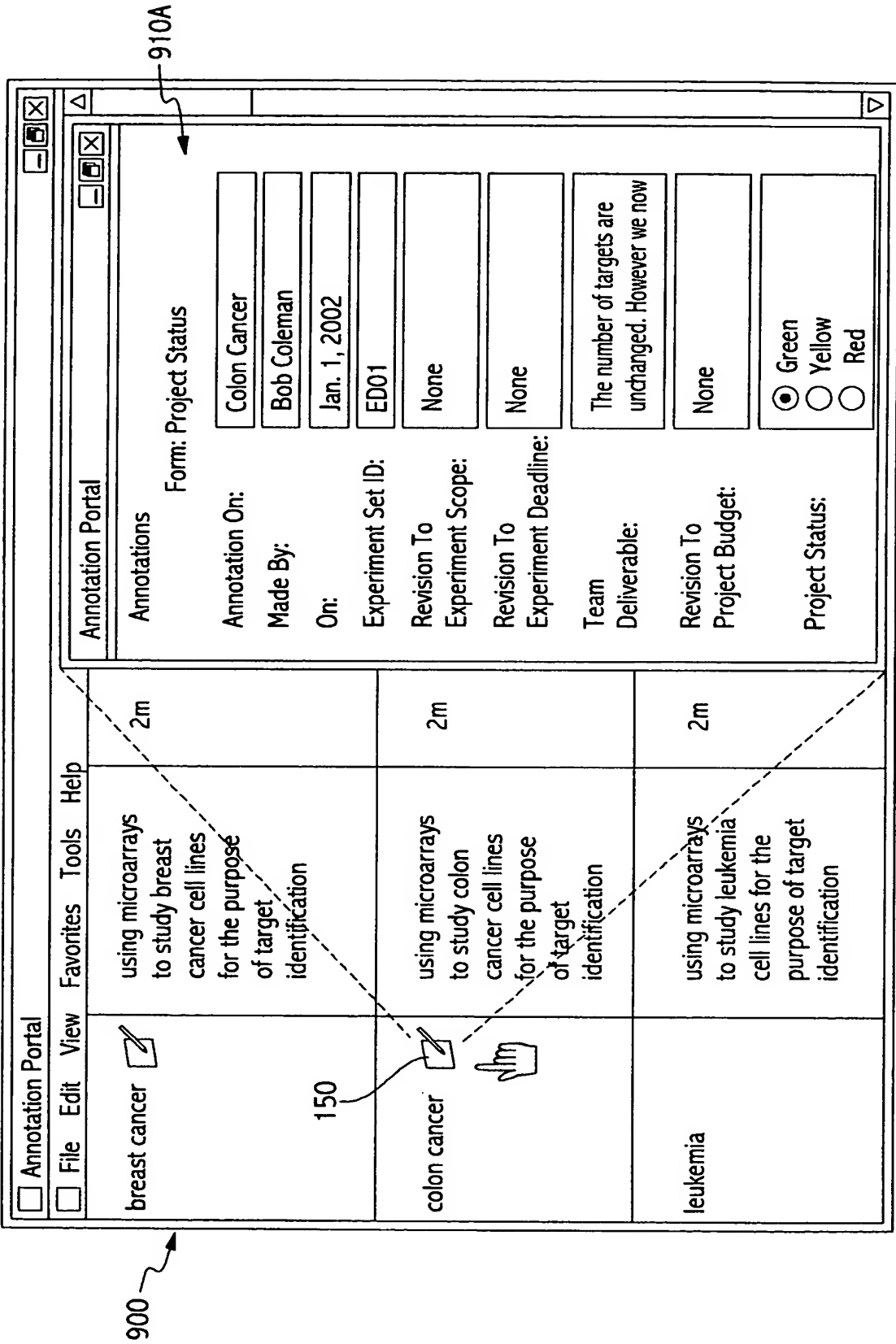


FIG. 9A



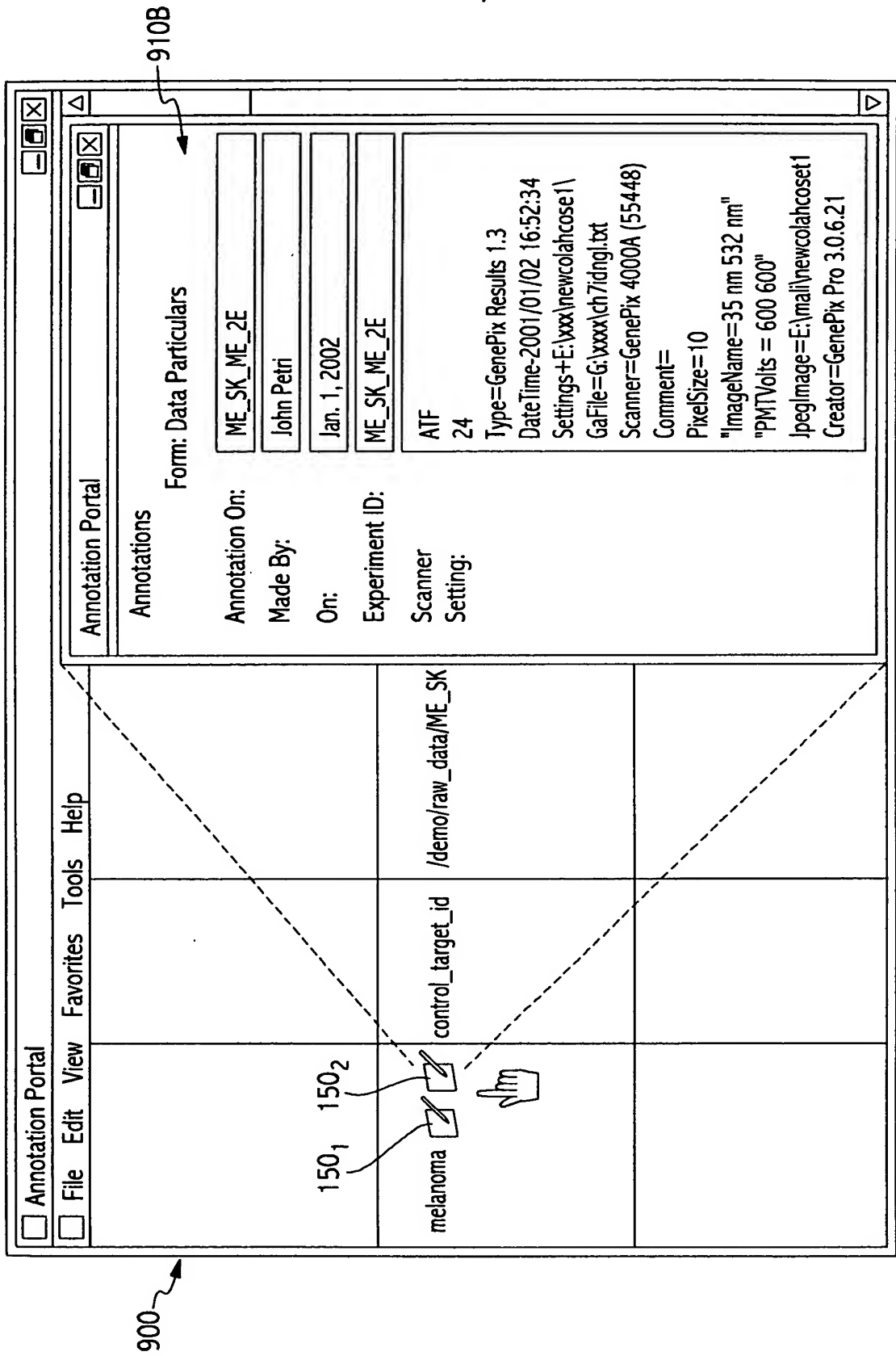


FIG. 9B

<input type="checkbox"/> Annotation Portal	
<input type="checkbox"/> File <input type="checkbox"/> Edit <input type="checkbox"/> View <input type="checkbox"/> Favorites <input type="checkbox"/> Tools <input type="checkbox"/> Help	
<div>Home <input type="button" value="v"/></div>	
Welcome	
Annotation Rules	
Annotation Browser	
User: 1bata	
Search: Unnamed	
SEARCH CONDITIONS	
ACTION	NOT
Delete	<input type="checkbox"/> (PROJECT_NAME = target_identificatio-01)      1042
Delete	<input type="checkbox"/> AND      (Spotfire Row Relevance of Observation = Extremely High)      1044
<input type="button" value="Add Condition"/>	<input type="button" value="Group"/> <input type="button" value="Ungroup"/> <input type="button" value="Apply"/> <input type="button" value="Reset"/>
OUTPUT	
<input type="button" value="Change Data"/>	<input type="button" value="Change Format"/>
SEARCH	
<input type="button" value="Run"/>	<input type="button" value="Save"/> <input type="button" value="Show Query"/> <input type="button" value="Cancel"/>

FIG. 10A

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The screenshot displays a web-based application window titled "Annotation Portal". The interface includes a menu bar with "File", "Edit", "View", "Favorites", "Tools", and "Help". Below the menu is a "Home" button with a dropdown arrow. The main content area is divided into sections: "Welcome", "Annotation Rules", "Annotation Browser" (showing "User: 1bata" and "Search: Unnamed"), and "ADD A SEARCH CONDITION".

The "ADD A SEARCH CONDITION" section contains two sub-sections:

- SEARCHABLE DATA FIELDS:** This section lists five radio button options, each paired with a text input field and a dropdown arrow:
  - ☐ Project: PROJECT\_ID
  - ☐ Column Name: PROJECT\_ID
  - ☐ Experiment: EXPT\_SET\_NAME
  - ☐ experiment\_set: EXPT\_SET\_ID
  - ☐ data\_sets: PROCESS\_ID
- SEARCHABLE ANNOTATION FIELDS:** This section lists five radio button options, each paired with a text input field and a dropdown arrow:
  - ☐ Annotation: Link ID
  - ☐ Annotation Data: GUID
  - ☐ Suggested Analysis Methods: Key
  - ☐ Reference Data: Key
  - ☐ Keyword Data: Key

At the bottom of the window are "Next" and "Cancel" buttons. A vertical scrollbar is visible on the right side of the window.

FIG. 10B

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The screenshot displays the 'Annotation Portal' application window. At the top is a menu bar with 'File', 'Edit', 'View', 'Favorites', 'Tools', and 'Help'. Below the menu bar is a 'Home' button with a dropdown arrow. The main content area is titled 'Welcome' and 'Annotation Rules'. Under 'Annotation Browser', it shows 'User: 1bata' and 'Search: Unnamed'. A section titled 'ADD A SEARCH CONDITION' contains two panels: 'SEARCHABLE DATA FIELDS' and 'SEARCHABLE ANNOTATION FIELDS'. The 'SEARCHABLE DATA FIELDS' panel has five radio buttons: 'Project' (selected), 'Column Name', 'Experiment', 'experiment\_set', and 'data\_sets'. Each radio button is paired with a dropdown menu showing a corresponding field name: 'PROJECT\_ID', 'PROJECT\_ID', 'EXPT\_SET\_NAME', 'EXPT\_SET\_ID', and 'PROCESS\_ID'. The 'SEARCHABLE ANNOTATION FIELDS' panel has five radio buttons: 'Annotation', 'Annotation Data' (selected), 'Suggested Analysis Methods', 'Reference Data', and 'Keyword Data'. It is paired with a dropdown menu showing 'Link ID' and 'GUID'. A list box to the right of the 'Annotation Data' radio button shows a list of annotation fields: 'Describe Gene', 'Functional Theme in Cluster', 'Spotfire Row Relevance of Observation' (highlighted), 'Spotfire Row Comments', 'Observation', and 'Spotfire Row Relevance of Observation'. At the bottom of the window are 'Next' and 'Cancel' buttons. The window title bar includes standard minimize, maximize, and close buttons.

☐ Annotation Portal

☐ File Edit View Favorites Tools Help

Home ▾

Welcome

Annotation Rules

Annotation Browser

User: 1bata

Search: Unnamed

ADD A SEARCH CONDITION

SEARCHABLE DATA FIELDS

☐ Project PROJECT\_ID ▾

☐ Column Name PROJECT\_ID ▾

☐ Experiment EXPT\_SET\_NAME ▾

☐ experiment\_set EXPT\_SET\_ID ▾

☐ data\_sets PROCESS\_ID ▾

SEARCHABLE ANNOTATION FIELDS

☐ Annotation Link ID ▾

☒ Annotation Data GUID ▾

☐ Suggested Analysis Methods

☐ Reference Data

☐ Keyword Data

Describe Gene

Functional Theme in Cluster

Spotfire Row Relevance of Observation

Spotfire Row Comments

Observation

Spotfire Row Relevance of Observation

Next Cancel

FIG. 10C